AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1: (Canceled).

Claim 2 (Canceled).

Claim 3 (Previously Presented): A control device for an automatic synthesis machine, said control device comprising:

a display device for displaying at least a part of vessels housed in a reactor; and

a selection means for selecting one or more vessels among the vessels displayed on a screen of the display device,

wherein said display device is connected to a protocol creation means for creating a protocol prescribing the procedure of synthesis operation related to said vessels, and said selection means receives data related to the vessels set in creation of the protocol from said protocol creation means, causing the display device to display the selected vessels in a manner such that they can be identified on the screen from the non-selected vessels, together with the operation contents related to the selected vessels,

wherein the protocols include one of a reagent type and an operation type.

Claim 4 (Previously Presented): A control device for an automatic synthesis machine,

said control device comprising:

a display device for displaying at least a part of vessels housed in a reactor; and

a selection means for selecting one or more vessels among the vessels displayed on a

screen of the display device,

wherein said display device is connected to a storage means for storing a protocol

prescribing a procedure of synthesis operation related to said vessels, and displays the stored

protocol in said storage means on the screen for selection of one line of the displayed protocol by

said selection means, causing the display device to display the selected vessels described in the

selected protocol line in a manner such that they can be identified on the screen from the non-

selected vessels, together with operation contents related to said selected vessels,

wherein the protocols include one of a reagent type and an operation type.

Claim 5 (Currently Amended): An automatic synthesis machine, comprising:

a display device for displaying at least a part of vessels housed in a reactor; ~~and~~

a selection means for selecting one or more vessels among the vessels displayed on a

screen of the display device,

a storage means for storing protocols, and

a protocol execution means for executing at least one stored protocol,

wherein said display device is connected to ~~a~~ said protocol execution means, and said

protocol execution means reads out a protocol from ~~a~~ said storage means one line at a time in

sequence for execution, causing the display device to display the protocol line in process of

execution on the screen, together with the vessels described in said protocol line and operation

contents related to said vessels in a manner such that the described vessels can be identified on the screen from the non-described vessels,

wherein the protocols include one of a reagent type and an operation type.

Claim 6 (Previously Presented): An automatic synthesis machine for automatic synthesis of compounds by allowing reagents to chemically react with each other, comprising:

a plurality of vessels for use in synthesis of compounds;

a selection means for selecting a specific vessel among said plurality of vessels;

an analysis means for analyzing a protocol prescribing a series of commands for synthesis of compounds and picking out commands related to the selected vessel from said protocol; and

a protocol execution means for executing the analyzed protocol;

wherein the protocols include one of a reagent type and an operation type.

Claim 7 (Previously Presented): A control device used for an automatic synthesis machine to drive a suction/injection unit for suction or injection of reagents in vessels housed in a reactor, said control device comprising:

a display means having display screens;

a protocol creation means for creating a protocol;

a storage means for storing the protocol;

a selection means for selecting the vessel; and

a protocol line analysis means for picking out all the operation contents related to the vessel selected by said selection means from the protocol stored in said storage means to create the operational procedure related to the selected vessel, causing the storage device to store the contents of the operational procedure and also causing said display device to display them on the screen;

wherein the protocols include one of a reagent type and an operation type.